

LIGHT EMITTING DIODE INDICATOR

Patent Number: JP7110660
Publication date: 1995-04-25
Inventor(s): YAMAOKA TAKASHI; others: 01
Applicant(s): SANYO ELECTRIC CO LTD; others: 01
Requested Patent: ☐ JP7110660
Application Number: JP19930257028 19931014
Priority Number(s):
IPC Classification: G09F9/33; H01L33/00
EC Classification:
Equivalents: JP3268910B2

Abstract

PURPOSE: To improve light uniformity by providing an aquare-shaped first hole part at an appearance side and condensing rays from a light emitting diode by a circular second hole part with relatively small area.
CONSTITUTION: A through hole 5 has the first hole part 7 from one surface 6 of a reflective frame 4 till a prescribed depth and a planar shape of the first hole part 7 is formed square. The through hole 5 has the second hole part 9 from the prescribed depth of the reflective frame 4 till another surface 8 of the reflective frame 4 and is formed circular. Thus, in an indicator 14, when the light emitting diode is lighted, a square-built display is obtained by providing the one surface 6 of the reflective frame 4 having the square first hole part 7 at the appearance side of the indicator 14. Since light beams from the light emitting diode 3 are condensed and uniformized by the circular second hole part 9 with relatively small area, four corners of the square first hole part 7 do not cause darkening and uniformity of the display light is improved.

Data supplied from the esp@cenet database - I2